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APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/658,271 09/10/2003		Yoshiaki Kojima	Q77426	4024		
23373	7590	06/13/2006		EXAMINER		
SUGHRUE	•		HUBER, PAUL W			
SUITE 800	SYLVANIA	A AVENUE, N.W.	ART UNIT	PAPER NUMBER		
WASHINGT	ron, dc	20037	2627			
			DATE MAILED: 06/13/2006			

Please find below and/or attached an Office communication concerning this application or proceeding.

		App	lication No.	Applicant(s)	Applicant(s)				
Office Action Summary			558,271	KOJIMA ET AL.					
			miner	Art Unit					
			Huber	2627					
Period fo	The MAILING DATE of this commun or Reply	ication appears (	on the cover sheet	with the correspondence ac	idress				
WHIC - Exter after - If NC - Failu Any	ORTENED STATUTORY PERIOD F CHEVER IS LONGER, FROM THE M nsions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this comm period for reply is specified above, the maximum st re to reply within the set or extended period for reply reply received by the Office later than three months and patent term adjustment. See 37 CFR 1.704(b).	IAILING DATE C of 37 CFR 1.136(a). In nunication. atutory period will apply will, by statute, cause	OF THIS COMMU in no event, however, may or and will expire SIX (6) No the application to become	NICATION.  y a reply be timely filed  IONTHS from the mailing date of this of ABANDONED (35 U.S.C. § 133).	•				
Status									
1)	Responsive to communication(s) file	ed on .							
′=	This action is <b>FINAL</b> . 2b)⊠ This action is non-final.								
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is								
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.								
Dispositi	on of Claims								
4)⊠	4) Claim(s) 1-7 is/are pending in the application.								
	4a) Of the above claim(s) is/are withdrawn from consideration.								
5)□	Claim(s) is/are allowed.								
6)⊠	Claim(s) <u>1 and 3-7</u> is/are rejected.								
,	Claim(s) <u>2</u> is/are objected to.								
8)∐	Claim(s) are subject to restrict	ction and/or elec	tion requirement.						
Applicati	on Papers								
9)[	The specification is objected to by th	e Examiner.							
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.									
	Applicant may not request that any obje								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).									
11)[_]	The oath or declaration is objected to	by the Examin	er. Note the attach	ned Office Action or form P	10-152.				
Priority (	ınder 35 U.S.C. § 119								
12)🛛	Acknowledgment is made of a claim	for foreign priori	ty under 35 U.S.C	C. § 119(a)-(d) or (f).					
a)	a)⊠ All b)☐ Some * c)☐ None of:								
	1. Certified copies of the priority documents have been received.								
	2. Certified copies of the priority documents have been received in Application No								
	3. Copies of the certified copies of the priority documents have been received in this National Stage								
	application from the Internation	•	,						
* \$	See the attached detailed Office action	on for a list of the	e certified copies r	ot received.					
Attachmen	t(c)								
	e of References Cited (PTO-892)		4) Intervie	w Summary (PTO-413)					
2) Notic	e of Draftsperson's Patent Drawing Review (F		Paper N	lo(s)/Mail Date	TO 152)				
	mation Disclosure Statement(s) (PTO-1449 or r No(s)/Mail Date	PTO/SB/08)	5)  Notice 6) Other:	of Informal Patent Application (PT	U-192)				

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 1 and 3-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over considered with Shimizu (JP-08022794) considered with Watanabe et al. (USP-6,919,577).

Shimizu discloses a minute pitch measuring method and apparatus, comprising: a scanning electron microscope for scanning the surface of a sample to be measured with an electron beam to produce an electron plane image of the sample; and a calculating unit for calculating a track pitch from the electron plane image. See abstract. Shimizu, however, fails to specifically disclose that the scanning electron microscope includes the particular elements as claimed including, at least: an electron beam radiating mechanism for radiating an electron beam to the surface of the sample; a moving mechanism for moving the sample in a measuring direction relative to the electron beam radiating mechanism; and an electron detector for detecting an electron from the surface of the sample to thereby produce the electron plane image from which the track pitch is calculated. Watanabe et al. discloses a scanning electron microscope as claimed (see figure 2), in the same field of endeavor, for the purpose of producing an electron image of a sample for inspection.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Shimizu such that the scanning electron microscope includes the particular elements as claimed and as taught by Watanabe et al.. A practitioner in the art would have been motivated to do this for the purpose of accurately producing an electron image of the sample by which a track pitch can be measured.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Hagiwara and Katsumura et al. each disclose an electron beam scanning apparatus.

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Claim 2 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication should be directed to Paul Huber at telephone number 571-272-

7588.

Paul Huber Primary Examiner Art Unit 2627

pwh June 9, 2006